



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 3

Test Date: March 2009
Code: 12581766
SAU: MSAD 64
School: Hudson Elementary School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9

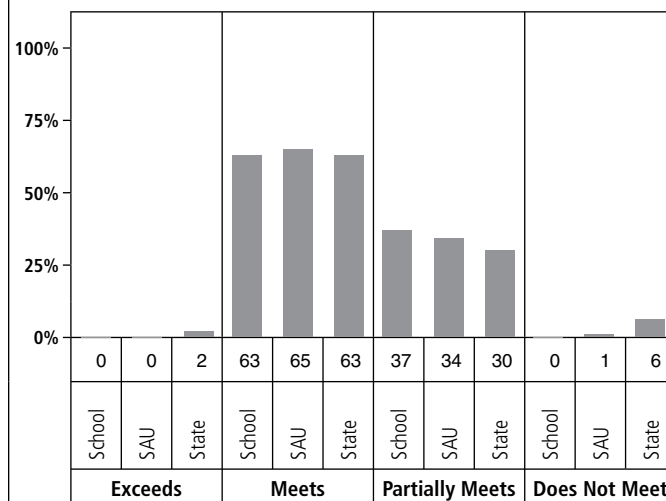
SUMMARY OF SCORES

Test Date: March 2009
Grade: 3
SAU: MSAD 64
School: Hudson Elementary School

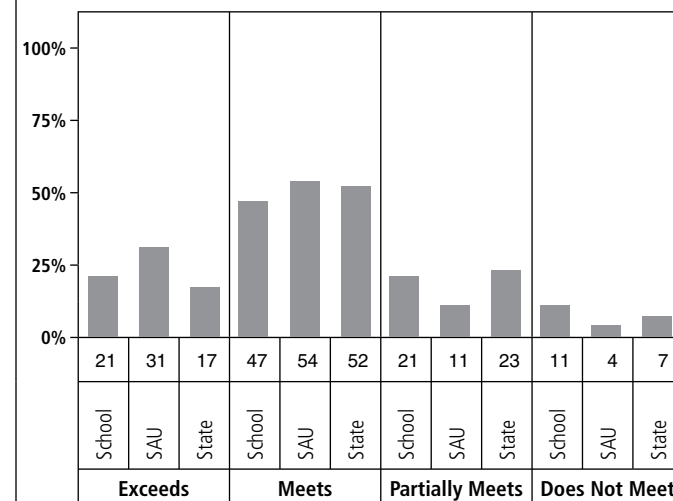
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	343	344	345
2007–2008	344	344	344
2008–2009	344	345	345
Cum. Avg.*	344	344	345
Mathematics			
2006–2007	348	348	347
2007–2008	355	351	347
2008–2009	350	355	348
Cum. Avg.*	351	351	347

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 3
SAU: MSAD 64
School: Hudson Elementary School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	19	100	83	100	13763	100	19	100	83	100	13691	100	19	100	83	100	13691	100						
Ethnicity African American/Black	0	0	0	0	416	3	0	0	0	0	412	99	0	0	0	0	414	100						
American Indian or Native Alaskan	0	0	2	2	102	1	0	0	2	100	101	100	0	0	2	100	101	100						
Asian or Pacific Islander	0	0	0	0	232	2	0	0	0	0	226	97	0	0	0	0	227	98						
Hispanic	0	0	0	0	167	1	0	0	0	0	164	98	0	0	0	0	164	98						
Caucasian/White	19	100	81	98	12846	93	19	100	81	100	12788	100	19	100	81	100	12785	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	0	0	8	10	2414	18	0	0	8	100	2388	100	0	0	8	100	2388	100						
Current LEP	0	0	0	0	420	3	0	0	0	0	413	98	0	0	0	0	417	99						
Economically disadvantaged	13	68	44	53	5887	43	13	100	44	100	5847	100	13	100	44	100	5846	100						
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	19	100	55	66	10316	75	19	100	55	66	10355	75						
Identified disability (PET/IEP)	0	0	1	2	437	4	0	0	1	2	445	4						
LEP	0	0	0	0	192	2	0	0	0	0	193	2						
504 plan	1	5	1	2	83	1	1	5	1	2	83	1						
Participation with accommodations	0	0	28	34	3179	23	0	0	28	34	3152	23						
Identified disability (PET/IEP)	0	0	7	25	1757	55	0	0	7	25	1759	56						
LEP	0	0	0	0	214	7	0	0	0	0	219	7						
504 plan	0	0	5	18	63	2	0	0	5	18	64	2						
Other	0	0	16	57	1192	37	0	0	16	57	1157	37						
Participation through alternate assessment (PAAP)	0	0	0	0	194	1	0	0	0	0	184	1						
Identified disability (PET/IEP)	0	0	0	0	194	100	0	0	0	0	184	100						
LEP	0	0	0	0	5	3	0	0	0	0	5	3						
504 plan	0	0	0	0	1	1	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0												
Approved non-participation – special consideration	0	0	0	0	19	0	0	0	0	0	21	0						
Non-participation – other	0	0	0	0	53	0	0	0	0	0	51	0						

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 3
SAU: MSAD 64
School: Hudson Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 362–380)	2006-2007	0	0	3	3	332	2
	2007-2008	0	0	5	5	227	2
	2008-2009	0	0	0	0	262	2
	Cum. Total*	0	0	8	3	821	2
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 342–360)	2006-2007	19	56	62	59	8691	63
	2007-2008	20	65	52	51	8403	62
	2008-2009	12	63	54	65	8500	63
	Cum. Total*	51	61	168	58	25594	63
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 332–340)	2006-2007	12	35	33	31	3781	27
	2007-2008	9	29	38	37	4018	30
	2008-2009	7	37	28	34	3985	30
	Cum. Total*	28	33	99	34	11784	29
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 300–330)	2006-2007	3	9	7	7	1021	7
	2007-2008	2	6	7	7	938	7
	2008-2009	0	0	1	1	748	6
	Cum. Total*	5	6	15	5	2707	7

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	46	100	27.9	60.7	29.0	63.0	28.3	61.5
A1/A2 Interconnected Elements/Literary Text	32	70	20.2	63.1	20.3	63.4	19.9	62.2
A1/A3 Interconnected Elements/Informational Text	14	30	7.7	55.0	8.7	62.1	8.4	60.0

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 3
 SAU: MSAD 64
 School: Hudson Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	19	0	0	12	63	7	37	0	0	344	83	0	65	34	1	345	13495	2	63	30	6	345
Ethnicity																						
African American/Black	0										0						402	0	40	41	18	339
American Indian or Native Alaskan	0										2						99	0	64	31	5	343
Asian or Pacific Islander	0										0						222	4	63	25	8	345
Hispanic	0										0						162	0	51	38	10	342
Caucasian/White	19	0	0	12	63	7	37	0	0	344	81	0	65	33	1	345	12610	2	64	29	5	345
Not Reported	0										0						0					
Identified disability																						
Yes	0										8	0	25	63	13	338	2194	0	32	50	18	338
No	19	0	0	12	63	7	37	0	0	344	75	0	69	31	0	346	11301	2	69	26	3	346
Current LEP																						
Yes	0										0						406	0	39	41	20	339
No	19	0	0	12	63	7	37	0	0	344	83	0	65	34	1	345	13089	2	64	29	5	345
Economically disadvantaged																						
Yes	13	0	0	7	54	6	46	0	0	342	44	0	55	43	2	343	5721	1	52	39	9	342
No	6	0	0	5	83	1	17	0	0	347	39	0	77	23	0	348	7774	3	71	23	3	346
Migrant																						
Yes	0										0						6	0	67	33	0	345
No	19	0	0	12	63	7	37	0	0	344	83	0	65	34	1	345	13489	2	63	30	6	345
Gender																						
Female	9	0	0	5	56	4	44	0	0	343	42	0	64	36	0	345	6568	3	67	26	4	346
Male	10	0	0	7	70	3	30	0	0	344	41	0	66	32	2	345	6927	1	59	33	7	343
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	1										1						2300	0	39	49	11	340
No	18	0	0	11	61	7	39	0	0	344	82	0	65	34	1	345	11195	2	68	25	4	345
Gifted/talented program																						
Yes	0										0						155	11	87	2	0	354
No	19	0	0	12	63	7	37	0	0	344	83	0	65	34	1	345	13340	2	63	30	6	344

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 3
SAU: MSAD 64
School: Hudson Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										1	0	0	100	0	338	5	1	44	39	16	340
B. less than one hour	100	0	0	12	67	6	33	0	0	344	95	0	65	34	1	345	80	2	66	28	4	345
C. one to two hours	0										4	0	100	0	0	346	13	2	61	32	6	344
D. more than two hours	0										0						3	1	36	45	18	339
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	72	0	0	10	77	3	23	0	0	346	54	0	75	23	2	347	47	3	68	24	4	346
B. good	17	0	0	1	33	2	67	0	0	341	36	0	59	41	0	345	41	1	62	31	5	344
C. fair	11	0	0	1	50	1	50	0	0	340	10	0	38	63	0	339	9	0	51	41	8	342
D. poor	0										0						2	0	30	51	19	338
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	24	0	0	3	75	1	25	0	0	343	39	0	74	26	0	347	31	3	63	28	6	345
B. They match some of what I have learned.	59	0	0	7	70	3	30	0	0	345	48	0	61	37	3	344	49	2	68	26	3	345
C. They match just a little of what I have learned.	12	0	0	1	50	1	50	0	0	342	13	0	60	40	0	344	14	1	53	39	7	342
D. There is no match.	6	0	0	1	100	0	0	0	0	348	1	0	100	0	0	348	6	0	43	43	14	340
How hard was the reading part of this test?																						
A. harder than my regular schoolwork	16	0	0	2	67	1	33	0	0	343	12	0	70	30	0	344	18	1	50	38	11	342
B. about the same as my regular schoolwork	58	0	0	7	64	4	36	0	0	344	68	0	68	30	2	346	57	2	68	26	3	346
C. easier than my regular schoolwork	26	0	0	3	60	2	40	0	0	342	20	0	50	50	0	343	25	1	61	31	6	344
How hard were the reading passages on this test?																						
A. Most of the passages were harder than what I normally read.	11	0	0	2	100	0	0	0	0	345	7	0	50	33	17	339	15	0	38	48	14	340
B. Most of the passages were about the same as what I normally read.	37	0	0	2	29	5	71	0	0	341	50	0	56	44	0	343	48	2	66	29	4	345
C. Most of the passages were easier than what I normally read.	53	0	0	8	80	2	20	0	0	345	43	0	77	23	0	348	37	3	70	23	4	347
How much time do you spend reading at home each day?																						
A. more than one hour	42	0	0	8	100	0	0	0	0	347	20	0	100	0	0	349	22	3	67	25	4	346
B. 20 minutes to an hour	26	0	0	2	40	3	60	0	0	343	52	0	60	40	0	345	46	2	68	26	4	346
C. less than 20 minutes	16	0	0	1	33	2	67	0	0	339	21	0	53	41	6	343	18	1	56	36	8	343
D. I rarely read at home.	16	0	0	1	33	2	67	0	0	340	7	0	50	50	0	344	14	0	50	40	10	341
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	0										6	0	60	40	0	344	29	1	56	36	7	343
B. six to ten pages	0										15	0	42	58	0	343	21	2	62	31	5	344
C. eleven or more pages	100	0	0	12	63	7	37	0	0	344	79	0	69	30	2	346	50	3	68	25	5	346
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 3
SAU: MSAD 64
School: Hudson Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 362–380)	2006-2007	8	24	18	17	1985	14
	2007-2008	13	42	27	26	2277	17
	2008-2009	4	21	26	31	2328	17
	Cum. Total*	25	30	71	24	6590	16
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 342–360)	2006-2007	17	50	58	55	6990	51
	2007-2008	12	39	50	49	6764	50
	2008-2009	9	47	45	54	7045	52
	Cum. Total*	38	45	153	53	20799	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 326–340)	2006-2007	6	18	19	18	3673	27
	2007-2008	5	16	20	20	3504	26
	2008-2009	4	21	9	11	3137	23
	Cum. Total*	15	18	48	17	10314	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 300–324)	2006-2007	3	9	10	10	1193	9
	2007-2008	1	3	5	5	1044	8
	2008-2009	2	11	3	4	997	7
	Cum. Total*	6	7	18	6	3234	8

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	32.3	67.3	36.0	75.0	31.5	65.6
A. Number	20	42	13.1	65.5	15.1	75.5	12.8	64.0
B. Data	8	17	6.2	77.5	6.5	81.3	6.1	76.3
C. Geometry	8	17	4.8	60.0	5.7	71.3	5.5	68.8
D. Algebra	12	25	8.2	68.3	8.6	71.7	7.1	59.2

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 3
 SAU: MSAD 64
 School: Hudson Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	19	4	21	9	47	4	21	2	11	350	83	31	54	11	4	355	13507	17	52	23	7	348
Ethnicity																						
African American/Black	0										0						407	7	37	32	24	338
American Indian or Native Alaskan	0										2						99	7	47	38	7	344
Asian or Pacific Islander	0										0						223	25	45	24	7	350
Hispanic	0										0						162	6	44	35	15	341
Caucasian/White	19	4	21	9	47	4	21	2	11	350	81	31	56	10	4	355	12616	18	53	23	7	348
Not Reported	0										0						0					
Identified disability																						
Yes	0										8	0	75	13	13	345	2204	6	36	36	22	338
No	19	4	21	9	47	4	21	2	11	350	75	35	52	11	3	356	11303	19	55	21	4	350
Current LEP																						
Yes	0										0						412	7	37	35	21	339
No	19	4	21	9	47	4	21	2	11	350	83	31	54	11	4	355	13095	18	53	23	7	348
Economically disadvantaged																						
Yes	13	2	15	7	54	3	23	1	8	348	44	18	59	18	5	351	5727	10	48	31	12	343
No	6	2	33	2	33	1	17	1	17	353	39	46	49	3	3	360	7780	23	55	18	4	351
Migrant																						
Yes	0										0						6	0	67	33	0	345
No	19	4	21	9	47	4	21	2	11	350	83	31	54	11	4	355	13501	17	52	23	7	348
Gender																						
Female	9	1	11	6	67	1	11	1	11	349	42	31	52	12	5	355	6568	16	52	24	8	348
Male	10	3	30	3	30	3	30	1	10	350	41	32	56	10	2	355	6939	18	53	22	7	348
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	1										1						2300	4	43	39	14	340
No	18	4	22	9	50	3	17	2	11	350	82	32	55	10	4	355	11207	20	54	20	6	350
Gifted/talented program																						
Yes	0										0						155	73	26	1	0	368
No	19	4	21	9	47	4	21	2	11	350	83	31	54	11	4	355	13352	17	52	23	7	348

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 3

SAU: MSAD 64

School: Hudson Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										1	0	0	100	0	340	5	9	38	32	21	340
B. less than one hour	100	4	22	9	50	4	22	1	6	351	95	31	56	10	3	356	80	19	54	22	5	349
C. one to two hours	0										4	33	67	0	0	355	13	16	51	24	9	347
D. more than two hours	0										0						3	6	31	39	24	337
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	47	2	22	5	56	2	22	0	0	353	41	36	52	12	0	357	40	25	51	17	7	351
B. good	42	2	25	4	50	1	13	1	13	352	49	28	58	10	5	355	45	14	56	24	6	348
C. fair	11	0	0	0	0	1	50	1	50	328	9	14	57	14	14	346	12	7	49	34	10	343
D. poor	0										1	0	100	0	0	344	3	3	35	43	20	337
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	53	2	20	5	50	3	30	0	0	351	54	36	52	11	0	358	38	23	52	19	5	351
B. They match some of what I have learned.	42	1	13	4	50	1	13	2	25	344	41	24	55	12	9	350	45	16	56	22	6	348
C. They match just a little of what I have learned.	5	1	100	0	0	0	0	0	0	380	5	25	75	0	0	354	12	10	45	33	12	343
D. There is no match.	0										0						5	5	35	38	22	338
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	21	0	0	4	100	0	0	0	0	350	10	0	100	0	0	352	17	8	45	34	13	342
B. about the same as my regular schoolwork	63	3	25	5	42	3	25	1	8	351	84	32	53	12	3	355	59	19	55	21	5	350
C. easier than my regular schoolwork	16	1	33	0	0	1	33	1	33	345	6	60	0	20	20	357	24	20	51	21	8	349
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	0										4	0	67	33	0	343	15	8	41	35	15	341
B. 30–45 minutes	0										6	0	80	0	20	348	29	16	54	23	6	348
C. 45–60 minutes	5	0	0	0	0	0	0	1	100	316	12	20	60	10	10	347	32	21	55	19	5	350
D. more than 60 minutes	95	4	22	9	50	4	22	1	6	351	78	37	51	11	2	358	25	21	53	20	6	350
How often do you use calculators in mathematics class?																						
A. almost every day	6	0	0	0	0	0	0	1	100	316	1	0	0	0	100	316	6	6	33	39	23	337
B. two or three days a week	0										1	0	0	0	100	316	12	15	55	22	8	348
C. two or three times each month	83	4	27	7	47	4	27	0	0	353	44	31	57	11	0	357	26	20	56	19	5	350
D. never or almost never	11	0	0	1	50	0	0	1	50	340	53	33	52	12	2	356	56	18	52	23	7	348
How often do you use hands-on materials in mathematics class?																						
A. almost every day	0										13	10	60	30	0	350	37	14	51	27	9	346
B. two or three days a week	19	1	33	1	33	1	33	0	0	359	15	25	67	8	0	353	27	20	55	19	6	350
C. two or three times each month	75	3	25	6	50	2	17	1	8	352	46	39	47	8	6	357	19	22	53	19	6	350
D. never or almost never	6	0	0	1	100	0	0	0	0	350	27	33	62	5	0	358	18	15	51	26	8	347
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number